Kobe Sarausad

LinkedIn
Portfolio

ksarausa@uw.edu
425–449–3681

Education

University of Washington   Seattle, WA   June 2023
Bachelor of Science in Statistics: Data Science
GPA: 3.55/4.00

Relevant Coursework: Data Structures and Algorithms (CSE 373), Foundational Skills for Data Science (INFO 201), Statistical Computing (STAT 302), Elements of Statistical Methods (STAT 311), Data Science and Statistics for Social Science (STAT 321), Introduction to Probability and Mathematical Statistics I (STAT 340), Introduction to Probability and Mathematical Statistics II (STAT 341), Data Visualization (CSE 412), Machine Learning (CSE 416)

Experience

MLB   New York City   Jun 2022 – Aug 2022
Analytics Intern

- Using SQL, Python, R, and Powerpoint, I uncovered patterns and useful insights from data to create interesting stories and data–driven business decisions
- Sgemented customers of MLB products using clustering methods in Python to target certain audiences and groups
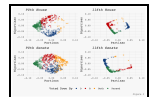
Self–Employed   Issaquah, WA   Jun 2021 – *Present*
Private Tutor

- Taught various programming topics to a middle schooler through Python (data structures, data analysis, data presentation) and other programming languages (HTML, CSS)

Projects

- *Polarization of Congress (R)*
    - Discovered hidden trends in data using SVD on the roll calls of congress
    - Reported results using ggplot and Rmarkdown
- *NFL Betting Dashboard (R)*
    - Used R Shiny to build and deploy an interactive web dashboard for visualizing historical NFL betting/game data (plotly)
- NBA MVP prediction (*R, slides*)
    - Predicted the NBA MVP using machine learning models that used sentiment analysis
    - Achieved 77% accuracy throughout the 2010–2022 NBA seasons
    - Presented results through Ioslides in Rmarkdown
- *American Homelessness (Vega–Lite)*
    - Created interactive visualizations using Vega–Lite to uniquely present the trends and patterns of homelessness in the United States
- *Miscellaneous Data Visualizations (Twitter, Observable)*

Skills

- Software Tools: Rstudio, Terminal, Eclipse, Jupyter Notebook, Virtual Studio Code, Atom, Tableau, GitHub, Microsoft Excel
- Computing:
    - Proficient: R
        - Data Analysis: tidyverse, tidymodels, hypothesis testing, statistical prediction, principal component analysis, machine learning
        - Reporting: RMarkdown, Shiny, kableExtra
        - Visualization: ggplot2
        - Development: R package development, unit testing, code coverage, version control via GitHub
    - [Basic/Familiar]: git, bash, Python, Java, HTML, CSS, JavaScript, Node.js, Vega–Lite, SQL
- Languages:
    - English
    - Japanese (N3)